

Quiz 7

1) Solve for x:

$$8^{x+3} = 6$$

2) Solve for x:

$$3^{2x} = 2^{x-1}$$

3) Solve for x:

$$[\log(2x - 1)]^2 - 3 \log(2x - 1) - 10 = 0$$

4) Solve for x:

$$\log_3(2 - x) + \log_3(4 - x) = 1$$

5) In how many years will \$300 amount to \$500 at 4% compounded annually?

6) Cm^{242} has a half-life of 163 days. How much remains of 10 grams after one week?